

Serial No. 09/517,113  
Amdt. dated December 30, 2003  
Reply to Office Action of March 30, 2004

Attorney Docket No. PT03216U

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****RECEIVED  
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JUN 28 2004

Application No.: 09/517,113

Confirmation No.: 9891

Applicant(s): Mittel, James Gregory

Examiner: Bocure, Tesfaldet

Filed: March 7, 2000

Docket No.: PT03216U

TC/A.U.: 2631

Customer No.: 20280

**OFFICIAL**

Title: Self-Dithering Sigma-Delta Converter and Communication Device  
Incorporating Same

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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AUG 05 2004

**AMENDMENT AFTER FINAL**

Technology Center 2600

Sir:

In response to the Office Action of December 30, 2003, please amend the above-  
identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2  
of this paper.

**Remarks/Arguments** begin on page 13 of this paper.



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*Intellectual Property Section  
Law Department*

## FAX COVER SHEET

**DATE:** JUNE 28, 2004

**TO:** Ex. Tesfaldet Bocure (703) 872-9306  
USPTO, Group 2631

**FROM:** HISASHI DAVID WATANABE

**SUBJECT:** U.S. APPLICATION SER. NO. 09/517,113  
OUR REF. NO.: PT03216U USA\_MITTEL

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TOTAL NUMBER OF PAGE(S) 19 (INCLUDING THIS PAGE)

**MESSAGE:** Thank you for calling me in response to my telephone calls of the last few weeks and advising me that you have not received my response of March 30, 2004. As we discussed, I am providing a copy of my facsimile transmission to you as well as the Auto-Reply Facsimile Transmission received from the USPTO which clearly indicates that the attached communication was timely filed on March 30, 2004. I look forward to receiving a Notice of Allowance for this application in due course.

**NOTICE:** This facsimile transmission may contain information that is confidential, privileged or exempt from disclosure under applicable law. It is intended only for the person(s) to whom it is addressed. Unauthorized use, disclosure, copying or distribution may expose you to legal liability. If you have received this transmission in error, please immediately notify us by telephone (collect) to arrange for return of the documents received and any copies made. Thank you.

*Motorola, Inc., Law Department  
600 North U.S. Highway 45, AS 437, Libertyville, IL 60048  
Phone: (847) 523-2322 Facsimile: (847) 523-2350*

**ADVISORY:** This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

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**MOTOROLA**  
**FAX TRANSMITTAL SHEET**

Motorola, Inc.  
Intellectual Property Section  
Law Department  
600 North U.S. Highway 45  
Libertyville, IL 60048

Telephone: (847) 523-2322  
Facsimile: (847) 523-2350

**17**

Number of Pages (including this page)

Date: March 30, 2004

To: Examiner Tesfaldet Bocure

Location: United States Patent and Trademark Office, Group 2631

Fax No.: (703) 872-9306

From: Hisashi D. Watanabe Registration No. 37,465

Subject: Serial No. 09/517,113

Docket No. PT03216U

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**MESSAGE:**

Enclosed herewith, please find:

- ☒ Amendment
- ☒ Amendment Transmittal Form
- ☒ Fee Transmittal Form
- ☐ Petition for Extension of Time

**PLEASE GIVE THESE PAPERS TO:**

EXAMINER:  
GROUP ART UNIT:  
SERIAL NO.:  
FILED:  
INVENTOR:

Bocure, Tesfaldet  
2631  
09/517,113  
March 7, 2000  
Mittel, James Gregory

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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JUN 28 2004

<b>ADMENDMENT TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/517,113
	Filing Date	March 7, 2000
	First Named Inventor	Mittel, James Gregory
	Group Art Unit	2631
	Examiner Name	Bocure, Tesfaldet
	Attorney Docket Number	PT03216U

OFFICIAL

## ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Amendment/Response <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Fee Address Indication Form	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Response to Missing Parts Incomplete Application	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Small Entity Statement	
	<input type="checkbox"/> Request for Refund	

Remarks:

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Technology Center 2600

## CORRESPONDENCE ADDRESS



Customer Number or Bar Code Label

20280

or ☐ Correspondence address below

Name:	Motorola, Inc.		
Address:	Intellectual Property Department		
	600 North U.S. Highway 45, AS437		
City: Libertyville	State: Illinois	Zip Code:	60048
Country: USA	Telephone: 847-523-2322	Fax:	847-523-2350

Name (Print/Type)	Hisashi D. Watanabe	Registration No.	37,465
Signature	<i>Hisashi D. Watanabe</i>	Date	March 30, 2004

## CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office Fax No. (703) 872-9308 on this date: March 30, 2004.

Typed or printed name: Hisashi D. Watanabe  
Signature *Hisashi D. Watanabe*

Date March 30, 2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**FEE TRANSMITTAL  
For FY 2003***Patent fees are subject to annual revision.***TOTAL AMOUNT OF PAYMENT** (\$)**0.00**

Application Number	09/517,113
Filing Date	March 7, 2000
First Named Inventor	Mittel, James Gregory
Group Art Unit	2631
Examiner Name	Bocure, Tesfaldet
Attorney Docket Number	PT03216U

**METHOD OF PAYMENT**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Deposit  
Account  
Name

50-2117

Motorola, Inc.

- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status  
See 37 CFR 1.27

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee Code	Fee Description	Fee Paid
1001	770	Utility filing fee	
1002	340	Design filing fee	
1003	530	Plant filing fee	
1004	770	Reissue filing fee	
1005	180	Provisional filing fee	
SUBTOTAL (1)			(\$) <b>0.00</b>

**2. EXTRA CLAIM FEES**

		Extra Claims	Fee Paid
Total Claims	11 - 20 = 0 X 18 =		0
Independent Claims	7 - 7 = 0 X 84 =		0

**Multiple Dependent**

Large Fee Code	Entity Fee Code	Fee Description
1202	18	Claims in excess of 20
1201	86	Independent claims in excess of 3
1203	290	Multiple dependent claim, if not paid
1204	86	** Reissue independent claims over original patent
1205	18	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**0.00****FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee Code	Fee Description	Fee Paid
1051	130	Surcharge - late filing fee or oath	
1052	50	Surcharge - late provisional filing fee or cover sheet	
1053	130	Non-English specification	
1812	2,520	For filing a request for ex parte reexamination	
1804	920*	Requesting publication of Sir prior Examination action	
1805	1,840*	Requesting publication of SIR after Examination action	
1251	110	Extension for reply within first month	
1252	420	Extension for reply within second month	
1253	850	Extension for reply within third month	
1254	1,480	Extension for reply within fourth month	
1255	2,010	Extension for reply within fifth month	
1401	330	Notice of Appeal	
1402	330	Filing a brief in support of an appeal	
1403	200	Request for oral hearing	
1451	1,510	Petition to institute a public use proceeding	
1452	110	Petition to revive - unavoidable	
1453	1,330	Petition to revive - unintentional	
1501	1,330	Utility issue fee (or reissue)	
1502	480	Design issue fee	
1503	840	Plant issue fee	
1480	130	Petitions to the Commissioner	
1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	Submission of Information Disclosure Stmt	
8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	Filing a submission after final rejection (27 CFR § 1.129(a))	
1810	770	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	Request for Continued Examination (RCE)	
1802	900	Request for expedited examination of a design application	

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$)**0.00****SUBMITTED BY**

Name (Print/Type)	Hisashi D. Watanabe	Reg. No. (Atty/Agent)	37,465
Signature	<i>Hisashi D. Watanabe</i>	Date	March 30, 2004